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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/744,395	04/11/2001	Toshiyuki Kori	43890-477	5717

20277 7590 05/17/2007  
MCDERMOTT WILL & EMERY LLP  
600 13TH STREET, N.W.  
WASHINGTON, DC 20005-3096

EXAMINER
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BOCCIO, VINCENT F

ART UNIT	PAPER NUMBER
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2165

MAIL DATE	DELIVERY MODE
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05/17/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/744,395	<b>Applicant(s)</b> KORI ET AL.	
	<b>Examiner</b> Vincent F. Boccio	<b>Art Unit</b> 2165	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on RCE and Response 3/19/07.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 2-6,8-12,17 and 18 is/are pending in the application.
- 4a) Of the above claim(s) 3 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2,4-6,8 and 9 is/are allowed.
- 6) ☒ Claim(s) 10-12,17 and 18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>1/29/07</u> . | 6) <input type="checkbox"/> Other: _____  |

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**DETAILED ACTION**

The Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 2165.

***Response to Arguments***

1. Applicant's arguments filed 3/19/07 have been fully considered but they are not persuasive.

{A} In re page 2, new claims 17 and 18 applicant believes Katta does not disclose an image switching device including all the limitations recited in the new claims.

In response the claims are rejected below.

**Claim Rejections - 35 USC § 102**

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 10-12, 17-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Katta et al. (US 2004/0085447 A1).

Regarding claims 17-18, Katta et al: discloses and meets the limitations associated with an image switching device for switching a plurality of image outputting devices connected through a digital interface (Fig. 1, 3, 4, 9, 13) and delivering the image signals comprising: a control unit for sending control data (units 101 of 110-1-3, from 114 thru 115) to the first to third output devices (Fig. 13, 110-1, 110-2, 110-3), the control data assigning a first channel (met by 1394, all data is sent on established channels) to the communication path (115) to the first and second devices with timing information of outputting of images of the first channel (units 102, 103 & 104 of 110-1, 110-2, 110-3) and assigning a second channel to the third device

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and providing the third with control data and a selection unit for selecting first or second or from the first to third devices to display ([129-131]).

Selecting and controlling a selected desired device out or output (page 13, [0131], Fig. 20, "110 may cut out the image in the position according to the layout information from one image and transmit only the cut out image toward the transmission line 115"), of the plurality of image devices (Fig. 20, "111-1, 2, 3", page 7, [0077], "image quality control signal ... camera nodes coding ... 6 Mbps ... camera node ... 14 Mbps ... other nodes ... 4 Mbps"), to the image outputting device side (see camera image display or an output, Fig. 3, "13", Fig. 4, 20, "113", Fig. 25 a-d, Fig. 26, etc.....), the image switching control data image selecting means for selecting and receiving the image signal transmitted from at least one of the image outputting device according to the image switching control data (page 7, "switching signal for switching" Fig. 25 a-d, etc.....; and synchronous signal transmitting mean (Fig. 27, "1513 & 1518) for transmitting a synchronous timing signal for synchronizing the image outputting devices.

Claims 10-12 are analyzed and discussed with respect to the claims above, wherein controlling which devices send, including timing and channel assignments meet the limitation of number of frames is zero from camera cut out, wherein timing provides for synchronization and specifying a number of frames to be transmitted, as claimed.

#### Contact Information

Any inquiry concerning this communication or earlier communications should be directed to the examiner of record Vincent F. Boccio whose telephone number is (571) 272-7373.

The examiner can normally be reached on between Monday thru Friday between (7:30 am to 5:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on (571) 272-4146.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.


Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Primary Examiner, Boccio, Vincent  
5/14/07

  
VINCENT BOCCIO  
PRIMARY EXAMINER